

**Code: 205001****Reg. no.: .....****Second Professional MBBS Degree Examinations, April 2013****Microbiology - Paper I****Time: 2 Hours****Total Marks: 40**

- Answer all questions
- Draw diagrams wherever necessary

**Essay:****(10)**

1. Read the clinical history and answer the following questions:

A 20 year old young male was admitted with history of fever with evening rise of temperature and cough since two months. Recently he developed haemoptysis. X-ray showed features of right lobe consolidation

- Mention the probable diagnosis and name the causative agent.
- Describe briefly the methods of laboratory diagnosis.
- What are the complications of the disease
- How the disease is treated
- What is the prophylaxis.

**(2+4+1+1+2 =10)****Short essay:****(2x5=10)**

2. Pathogenesis and lab diagnosis of syphilis.
3. Agglutination type of reaction in antigen-antibody combination.

**Short notes:****(10x2=20)**

4. R plasmid
5. Method of moist heat sterilization.
6. Enrichment media.
7. IgM.
8. Elek's test
9. Prophylaxis of tetanus.
10. Wool sorter's disease.
11. Clostridium difficile
12. Enterotoxigenic escherichia coli
13. Chlamydial conjunctivitis.

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